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TO 917037467239 P.02

IBM Docket No. YOR920020159US1

receiving a service request from a requestor;
executing secure processing of said service request; and
providing notifications as defined in the service specification.

37. (Amended) An identification method for matching individuals, the method comprising the steps of:

providing at least one host computer adapted to have at least one secure co-processor operating in a secure computation environment;
operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer;

uploading said contract into said secure computation environment;
enforcing said contract with regards to all cooperating parties;
receiving a service request from a requestor;
executing secure processing of said service request; and
providing notifications as defined in the contract.

38. (Amended) An article of manufacture for use in a multiparty electronic service, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of:
providing at least one host computer adapted to have at least one secure co-processor operating in a secure computation environment;

operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer;

uploading said service specification into said secure computation environment;
enforcing said service specification with regards to all cooperating parties;
receiving a service request from a requestor;
executing secure processing of said service request; and
providing notifications as defined in the service specification.

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39. (Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of: providing at least one host computer adapted to have at least one secure co-processor operating in a secure computation environment; operating said at least one host computer to negotiate a machine interpretable service specification between all parties, which would cooperate with a particular application running on said host computer; uploading said service specification into said secure computation environment; enforcing said service specification with regards to all cooperating parties; receiving a service request from a requestor; executing secure processing of said service request; and providing notifications as defined in the service specification.

40. (Amended) An article of manufacture for use in matching individuals, comprising a machine readable medium tangibly embodying a program of instructions executable by a machine for implementing a method, the method comprising steps of: providing at least one host computer adapted to have at least one secure co-processor operating in a secure computation environment; operating said at least one host computer to negotiate a machine interpretable contract between all parties, which would cooperate with a particular application running on said host computer; uploading said contract into said secure computation environment; enforcing said contract with regards to all cooperating parties; receiving a service request from a requestor; executing secure processing of said service request; and providing notifications as defined in the contract.

41. (Amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform methods steps for managing a matching identification service, the method comprising the steps of:

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